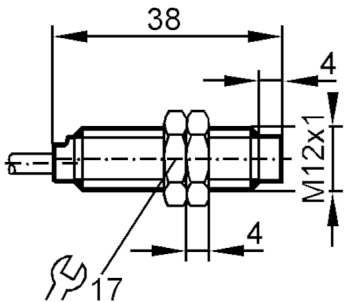


IF6024



Inductive sensor

IFB35,5-APKG/O.LED



Electrical data

Operating voltage	[V]	10...36 DC
Current consumption	[mA]	< 15
Protection class		III
Reverse polarity protection		yes

Outputs

Electrical design		PNP
Output function		normally closed
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	150
Switching frequency DC	[Hz]	800
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

Sensing range	[mm]	5.5
Real sensing range S_r	[mm]	$5.5 \pm 10 \%$
Operating distance	[mm]	0...4.45

IF6024



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Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	1...15
Switch point drift	[% of Sr]	-10...10

Operating conditions

Ambient temperature	[°C]	10...50
Protection		IP 67

Tests / approvals

EMC		EN 60947-5-2	
		EN 55011	class B
MTTF	[years]		3069

Mechanical data

Weight	[g]	57
Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M12 x 1
Thread designation		M12 x 1
Materials		brass white bronze coated; PBT

Accessories

Accessories (supplied)	lock nuts: 2
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Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 2 m, PVC; 3 x 0.14 mm²

Connection

